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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.         | CONFIRMATION NO.   |
|---|-------------|----------------------|-----------------------------|--------------------|
| 09/342,949  | 06/29/1999  | THOMAS A. MYERS      | D/99262                     | 7326               |
| 7590 06/15/2004   |             |                      |                             |                    |
| JOHN E BECK<br>XEROX CORPORATION<br>XEROX SQUARE 20A<br>ROCHESTER, NY 14644 |             |                      | EXAMINER<br>TRAN, DOUGLAS Q |                    |
|   |             |                      | ART UNIT<br>2624            | PAPER NUMBER<br>20 |
| DATE MAILED: 06/15/2004   |             |                      |                             |                    |

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/342,949

Applicant(s)

MYERS ET AL.

Examiner

Douglas Q. Tran

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-19 is/are allowed.
- 6) ☒ Claim(s) 1-9 and 20-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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### DETAILED ACTION

1. Applicant's arguments, see page 2, filed 3/20/04, with respect to the rejection(s) of claims 1-9, 20-26 under 103 rejection have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a **new ground(s) of rejection** is made in view of Richter et al. (US Patent No. 6,678,068).

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Aiello, Jr. et al. (US Patent No. 6,337,745 B1) and Richter et al. (US Patent No. 6,678,068 B1).

As to claim 1, Aiello teaches a graphical user interface (fig. 23) for providing job tickets and print job information comprising:

a depiction of a pathway access window (i.e., window 160 in fig. 22) including a print queue icon (i.e., the report queue option is selected, col. 8, lines 26-27);

a depiction of a printer status window including a printer icon (col. 7, lines 28-30: indicates a plurality of printer icon in fig. 8);

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a depiction of a job ticket window (i.e., a report queue window 192 in fig. 22) displaying a job ticket for each print job (i.e., job 25445 in fig. 22 or job 30704 in fig. 23) by selecting the print queue object (i.e., Report Queue option from operations 182 in fig. 22), wherein the job ticket window is displayed when the print queue icon is selected, and wherein each job ticket is associated with a job ticket object (i.e., the view report ticket option from operations 194 in fig. 25) indicating the status of the print job associated with the job ticket (col. 8, lines 35-39 and 44-48).

However, Aiello does not teach each job ticket is associated with a job ticket icon indicating whether there are sufficient resources to complete the print job associated with the job ticket.

Richter teaches each job ticket is associated with a job ticket icon indicating whether there are sufficient resources to complete the print job associated with the job ticket (i.e., col. 11, lines 46-53 the state of file icon 96 to inform the possible states of the print job 18; col. 12, lines 12-18 describes the sufficient resources to complete the print job such as paper, toner ...; and fig. 24 and 25 indicates the sufficient resources for the current print job 284).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the printing system of Aiello for displaying the sufficient resources to complete the print job when selecting the job ticket icon as taught by Richter. The suggestion for modifying the system of Aiello can be reasoned by one of ordinary skill in the art as set forth above by Richter because such modification allows the window would be flexible to display the various kind of resource objects to predict

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the completion of the print job. Such a modification would allow the user to keep track his large print job.

As to claims 2-4, Richter further teaches the print job information comprises required stock information (fig. 15), finishing information (fig. 17) and resources information (fig. 18 to fig. 20).

As to claims 5, Richter teaches every feature in claim 1, further teaches the pathway access window further comprises a print engine icon, and wherein a print engine information window showing print engine information is displayed when the print engine icon is selected (i.e., the consumable icon would be a similar function with the print engine icon for displaying the toner or fuser or paper trays are indicated in fig. 24).

As to claim 7, Aiello teaches every feature in claim 1, and further teaches the printer icon includes a depiction of the print engine (col. 7, lines 28-30).

As to claims 6 and 8, Richter teaches the print engine information includes toner levels in the printing system and the window includes an insufficient resources icon when there is insufficient toner to complete one of the print jobs (fig. 19, 21 and 24 indicates the resource of the print engine such as the toner/ink states. Thus, the sufficient or insufficient resources is indicated in the window. Furthermore, another icon such as errors/warnings icon 274 in fig. 24 or 302 in fig. 25 also indicates the insufficient resource to the window and the print job).

As to claim 9, Aiello teaches the printer status window further comprises a multiuse job progress indicator, including total time, elapsed time, and time remaining for a current print job (see 198 in fig. 25).

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As to claim 20, the combination of Aiello and Richter teaches the methods are performed by the apparatus claim 1 as indicated above. Furthermore, Richter teaches the pathway access window displaying first icon indicating that resources are available to complete print jobs for job tickets, where resources are sufficient (i.e., consumable icon in fig. 24 or 25); and second icon indicating that resources are unavailable to complete print jobs for job tickets, where resources are insufficient (i.e., Errors/warnings icon in fig. 24 or 25).

As to claims 21-25, the combination of Aiello, Richter teaches the methods are performed by the apparatus claims 2-4 as indicated above.

As to claim 26, Richter teaches a detailed job information window, which appears when one of the job ticket icons is selected, wherein the job information window includes job information associated with each job ticket not shown in the job ticket window (please see window 250 in fig. 25).

***Allowable Subject Matter***

1. Claims 10-19 are allowed.

Claims 10 and 15 are independent claims.

The following is an examiner's statement of reasons for allowance:

**As to claims 10 and 15**, the prior arts, taken either singly or in combination, does not teach a print engine system having a plurality of exposure units including a first exposure unit exposing a photoconductive belt to create an electrostatic latent image based on the received image data at the direction of the system controller; and a fuser assembly receiving the support material from the transfer unit and permanently affixing

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the toner to the sheet of support material, and a cleaning unit cleaning the photoreceptor belt.

***Conclusion***

Applicant's arguments, filed on 3/20/04, with respect to claims 1-9, 20-26 have been considered but are moot in view of the new ground(s) of rejection. This action is made **non-final**.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas Q. Tran whose telephone number is (703) 305-4857 or E-mail address is Douglas.tran@uspto.gov.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Douglas Q. Tran  
June 08, 2004

A handwritten signature in black ink, appearing to read "Tranlong", with a stylized flourish extending from the end.